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PATENT APPLICATION

Inventor: John W. Lynn

Serial No: 10/____

Filing Date: June 24, 2003

Title: Enhancing Maturation of Oocytes in Bivalves

Atty Docket: 0119.1 Lynn

Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

In accordance with the duty of candor and good faith imposed by 37 C.F.R. §1.56 and means of complying therewith according to 37 C.F.R. §§1.97 and 1.98, the references listed on the attached Information Disclosure Citation are called to the attention of the United States Patent and Trademark Office in connection with the above-identified patent application. Copies of the cited references are enclosed herewith. No admission is made that the cited art represents the prior art or that the cited art is the most material art.

The Office is urged to consider the cited references and to make an independent decision with respect to their materiality.

Respectfully submitted,

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| | | | | Filing Date | June 24, 2003 |
| | | | | First Named Inventor | John W. Lynn |
| | | | | Art Unit | |
| | | | | Examiner Name | |
| Sheet | 1 | of | 1 | Attorney Docket Number | 0119.1 Lynn |

| | OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.) |
|------------|--|
| | g, "Zebra Mussel Spawning Is Induced in Low Concentrations of Putative Serotonin Reuptake nibitors," <i>Biol. Bull.</i> , vol. 194, pp. 143-149 (1998) |
| | . et al., "Changes in vitellin during oogenesis and effect of estradiol-17β on vitellogenesis in Pacific oyster Crassostrea gigas," Invert. Reprod. Dev., vol. 33, pp. 87-93 (1998) |
| ma | , J. et al., Excerpts from "Conservation of broodstock: Developing improved methodology for aturation and induced spawning of oysters," United States Department of Agriculture grant oposal (2002) |
| for | , J. et al., Excerpts from "Conservation of rare brood stock: Developing improved methodology gonadal maturation and inducing spawns in <i>Crassostrea virginica</i> ," Gulf Oyster Industry ogram grant proposal (2001) |
| foi | , J. et al., Excerpts from "Conservation of rare broodstock: Developing improved methodology maturation and induced spawning of oysters," Louisiana Board of Regents grant proposal 001) |
| | sutani, T., "Endogenous factors controlling spawning in marine bivalves," pp. 231-237 in M. oshi et al. (Eds.) Advances in Invertebrate Reproduction, vol. 5 (1990) |
| ste | numoto, T. et al., "Gonadal estrogen profile and immunohistochemical localization of eroidogenic enzymes in the oyster and scallop during sexual maturation," Comp. Biochem. bysiol., vol. 118B, pp. 811-817 (1997) |
| | sutani, T. et al., "Induction of spawning by serotonin in the scallop, Patinopecten yessoensis ay)," Mar. Biol. Lett., vol. 3, pp. 353-358 (1982) |
| ov | sutani, T. et al., "In vitro effects of serotonin and prostaglandins on release of eggs from the ary of the scallop, Patinopecten yessoensis," Gen. Comp. Endocrin., vol. 67, pp. 111-118 987) |
| | , K., "Effect of Steroid on Oyster IV. Acceleration of Sexual Maturation in Female assostrea gigas by Estradiol-17ÿ," Bull. Jpn. Soc. Sci. Fish., vol. 35, pp. 1077-1079 (1969) |
| | da, M. et al., "Estrogen effect on the seasonal levels of catecholamines in the scallop htinopecten yessoensis," Comp. Biochem. Phys., vol. 93C, pp. 349-353 (1989) |
| Osac sc | da, M. et al., "In vitro effects of estrogen and serotonin on release of eggs from the ovary of the allop," Nip. Suisan Gakk. (Jpn. Soc. Sci. Fish. Bull.), vol. 58, pp. 223-227 (1992) |
| of | da, M. et al., "Pharmacological characterization of serotonin receptor in the oocyte membrane bivalve molluscs and its formation during oogenesis," J. Exp. Zool., vol. 28, pp. 124-131 398) |
| | da, M. et al., "The levels of prostaglandins associated with the reproductive cycle of the allop, Patinopecten yessoensis," Prostaglandins, vol. 40, pp. 229-239 (1990) |
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